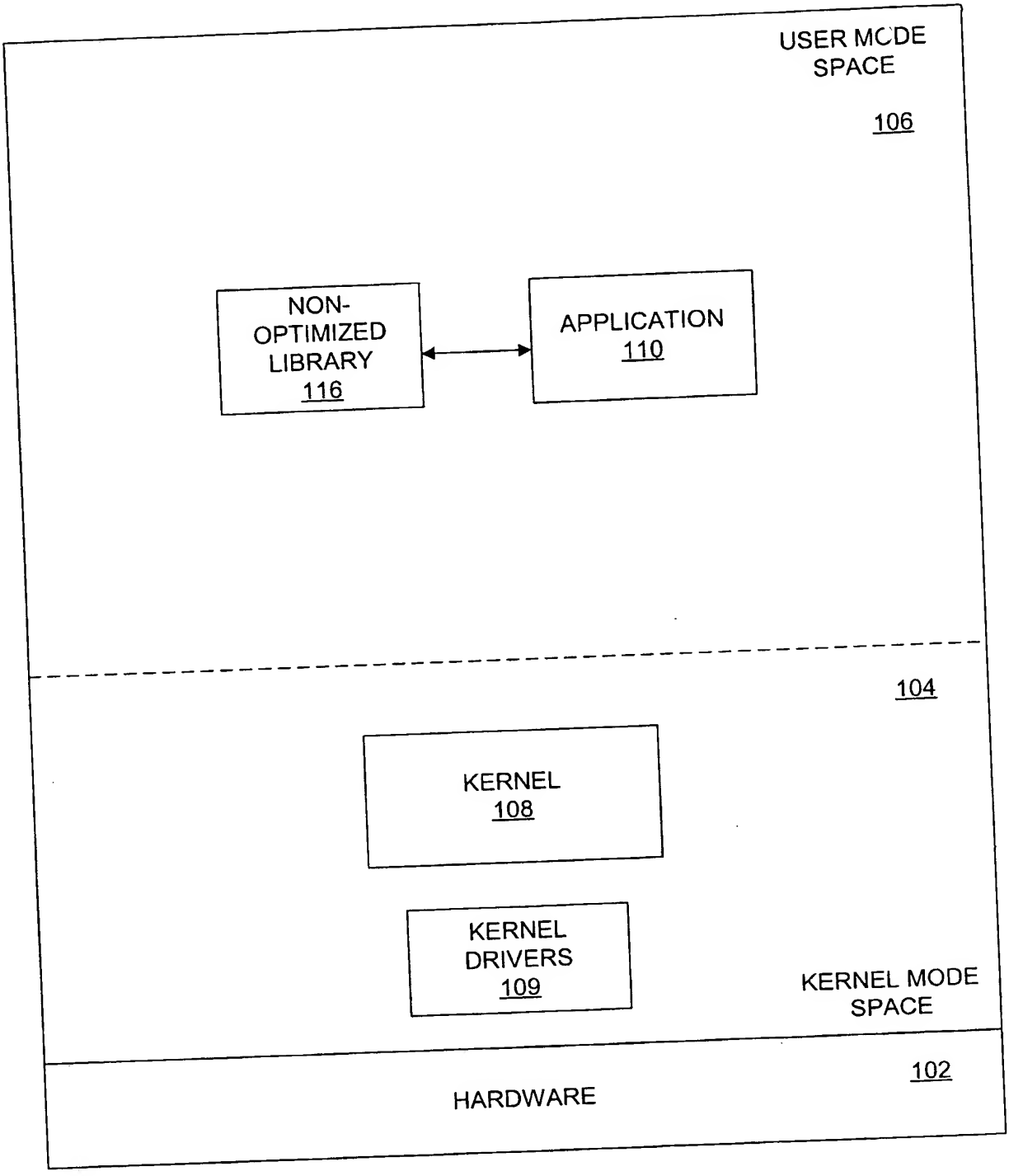
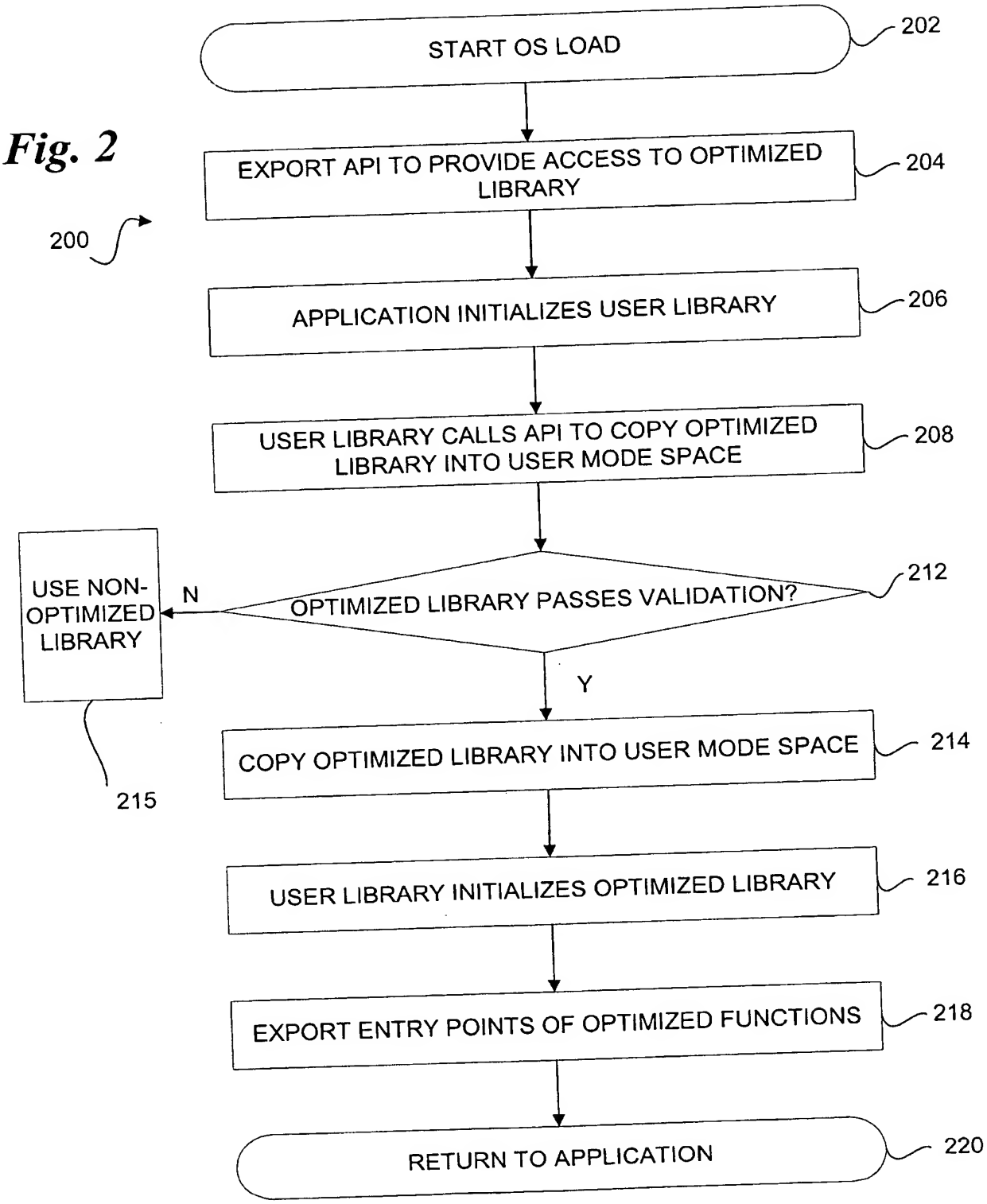

USER MODE SPACE
106
NON-OPTIMIZED LIBRARY 116
APPLICATION 110
104
KERNEL 108
KERNEL DRIVERS 109
KERNEL MODE SPACE
102
HARDWARE

Fig. 1

Fig. 2


200
START OS LOAD
202
EXPORT API TO PROVIDE ACCESS TO OPTIMIZED LIBRARY
204
APPLICATION INITIALIZES USER LIBRARY
206
USER LIBRARY CALLS API TO COPY OPTIMIZED LIBRARY INTO USER MODE SPACE
208
OPTIMIZED LIBRARY PASSES VALIDATION?
212
N
USE NON-OPTIMIZED LIBRARY
215
Y
COPY OPTIMIZED LIBRARY INTO USER MODE SPACE
214
USER LIBRARY INITIALIZES OPTIMIZED LIBRARY
216
EXPORT ENTRY POINTS OF OPTIMIZED FUNCTIONS
218
RETURN TO APPLICATION
220

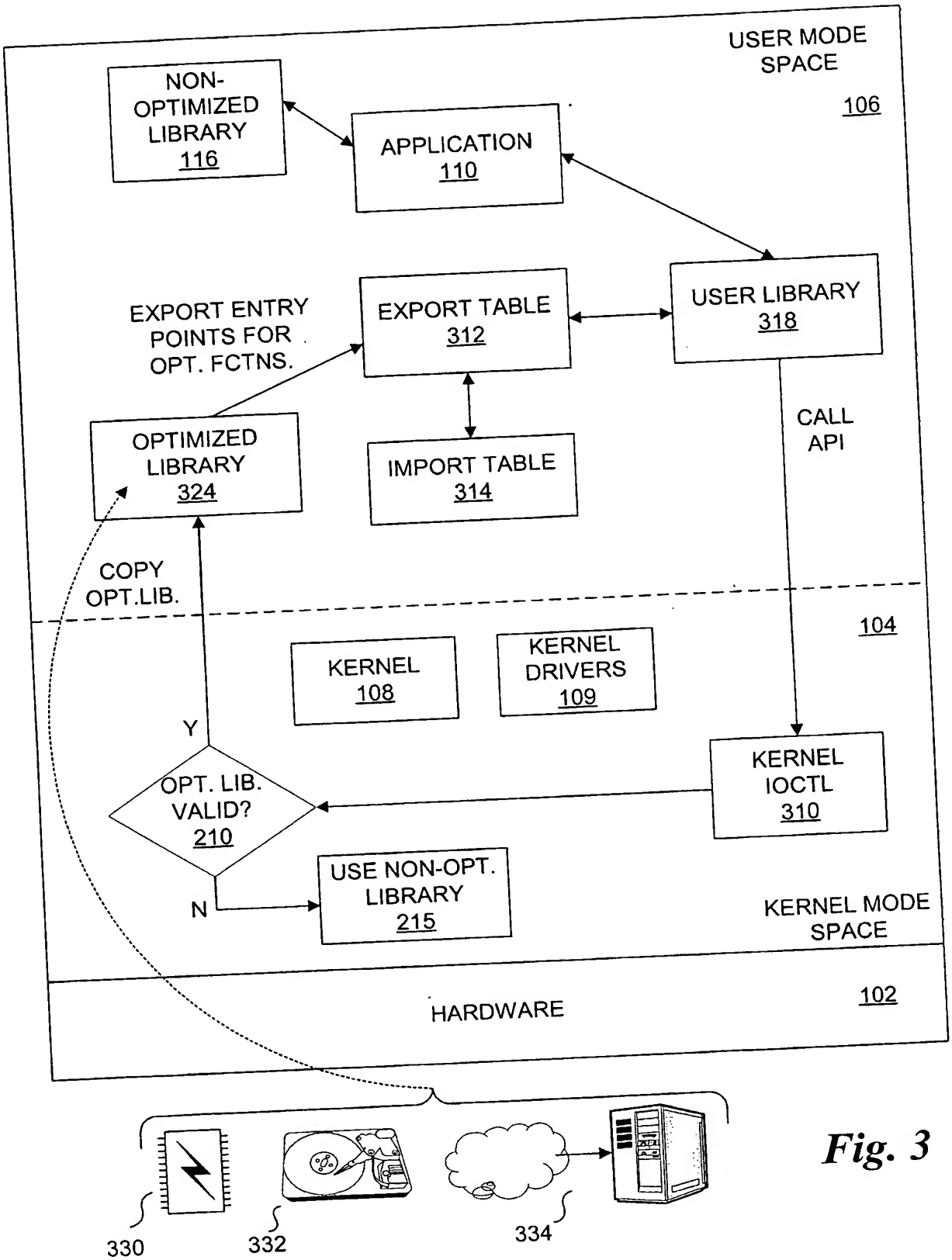

USER MODE SPACE
106
NON-OPTIMIZED LIBRARY 116
APPLICATION 110
EXPORT ENTRY POINTS FOR OPT. FCTNS.
EXPORT TABLE 312
USER LIBRARY 318
OPTIMIZED LIBRARY 324
IMPORT TABLE 314
CALL API
COPY OPT.LIB.
104
KERNEL 108
KERNEL DRIVERS 109
Y
OPT. LIB. VALID? 210
KERNEL IOCTL 310
USE NON-OPT. LIBRARY 215
N
KERNEL MODE SPACE
HARDWARE
102
330
332
334

Fig. 3

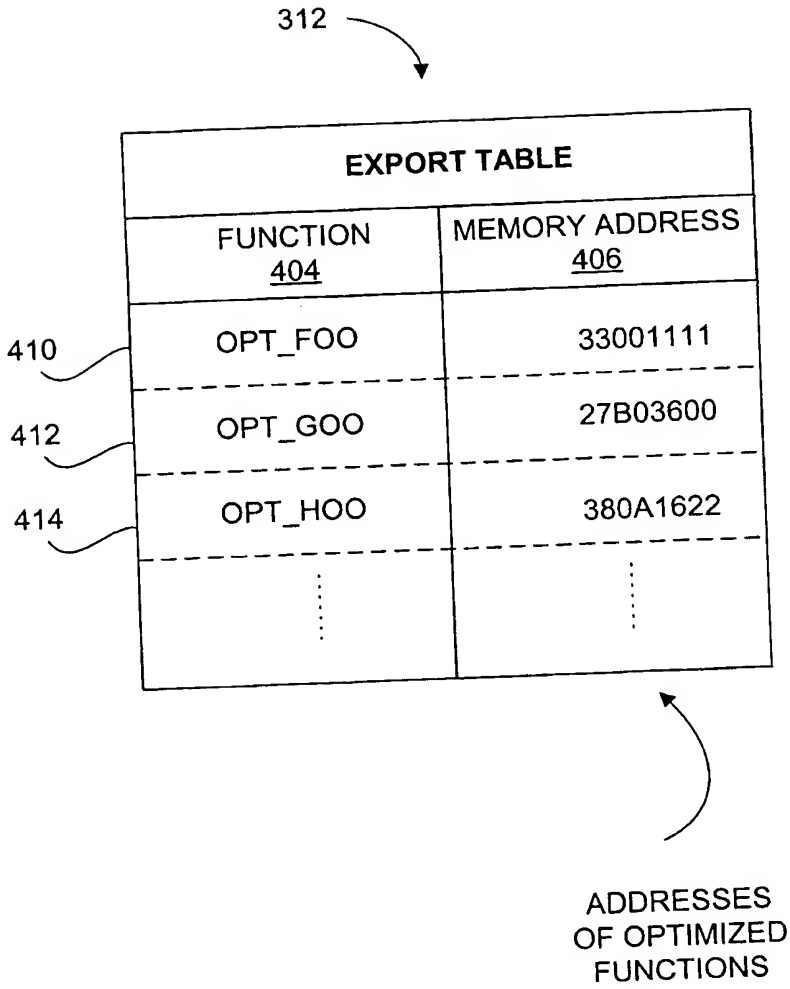

312
EXPORT TABLE
FUNCTION
404
MEMORY ADDRESS
406
410
OPT_FOO
33001111
412
OPT_GOO
27B03600
414
OPT_HOO
380A1622
ADDRESSES
OF OPTIMIZED
FUNCTIONS

Fig. 4

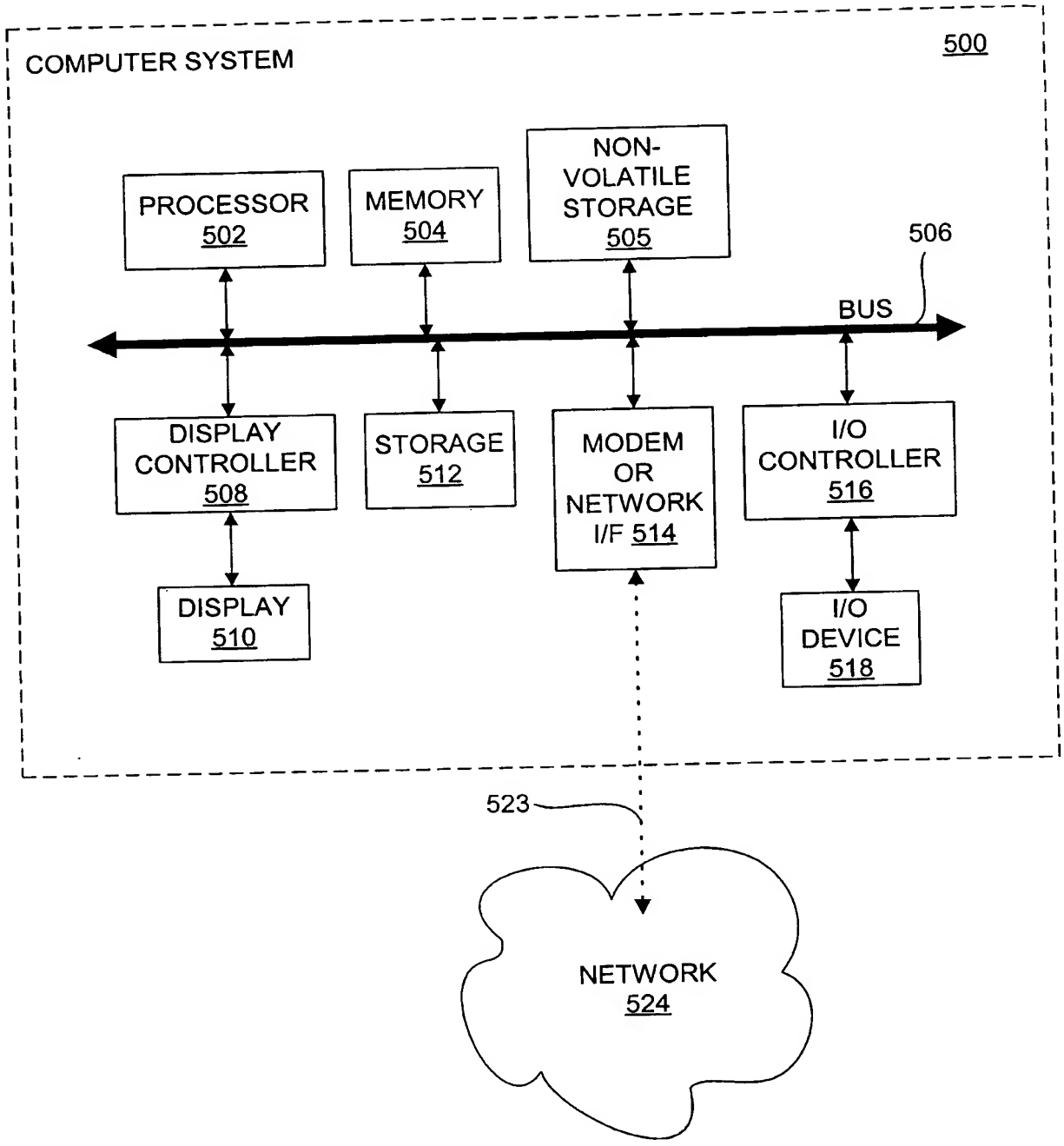

COMPUTER SYSTEM
500
PROCESSOR
502
MEMORY
504
NON-
VOLATILE
STORAGE
505
506
BUS
DISPLAY
CONTROLLER
508
STORAGE
512
MODEM
OR
NETWORK
I/F 514
I/O
CONTROLLER
516
DISPLAY
510
I/O
DEVICE
518
523
NETWORK
524

Fig. 5